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**CARDIAC RESPONSE CLASSIFICATION USING
MULTIPLE CLASSIFICATION WINDOWS****ABSTRACT OF THE DISCLOSURE**

Methods and devices for classifying a cardiac response to pacing involve

- 10 establishing a plurality of classification windows relative to and following a pacing pulse. One or more characteristics of a cardiac signal sensed following the pacing pulse are detected within one or more particular classification windows. The characteristics may be compared to one or more references. Classification of the cardiac response may be performed based on the comparison of the one or more
- 15 characteristics to the one or more references and the particular classification windows in which the one or more characteristics are detected.